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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
09/531,949	03/21/2000	John Michael Kominek	57921/108	7501

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GLENN PATENT GROUP  
3475 EDISON WAY, SUITE L  
MENLO PARK, CA 94025

EXAMINER
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WOO, ISAAC M

ART UNIT	PAPER NUMBER
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2172

DATE MAILED: 05/24/2004

Please find below and/or attached an Office communication concerning this application or proceeding.

**Office Action Summary**

Application No.

09/531,949

Applicant(s)

KOMINEK ET AL.

Examiner

Isaac M Woo

Art Unit

2172

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

**Period for Reply**

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

**Status**

- 1) ☒ Responsive to communication(s) filed on 17 March 2004.
- 2a) ☒ This action is **FINAL**. 2b) ☐ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

**Disposition of Claims**

- 4) ☒ Claim(s) 1-35 is/are pending in the application.
- 4a) Of the above claim(s) \_\_\_\_\_ is/are withdrawn from consideration.
- 5) ☐ Claim(s) \_\_\_\_\_ is/are allowed.
- 6) ☒ Claim(s) 1-35 is/are rejected.
- 7) ☐ Claim(s) \_\_\_\_\_ is/are objected to.
- 8) ☐ Claim(s) \_\_\_\_\_ are subject to restriction and/or election requirement.

**Application Papers**

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☐ The drawing(s) filed on \_\_\_\_\_ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.  
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).  
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

**Priority under 35 U.S.C. § 119**

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some \* c) ☐ None of:
1. ☐ Certified copies of the priority documents have been received.
  2. ☐ Certified copies of the priority documents have been received in Application No. \_\_\_\_\_.
  3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

\* See the attached detailed Office action for a list of the certified copies not received.

**Attachment(s)**

- |  |   |
|--|---|
| 1) <input checked="" type="checkbox"/> Notice of References Cited (PTO-892)  | 4) <input type="checkbox"/> Interview Summary (PTO-413)<br>Paper No(s)/Mail Date. _____ |
| 2) <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948)                                   | 5) <input type="checkbox"/> Notice of Informal Patent Application (PTO-152)             |
| 3) <input type="checkbox"/> Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08)<br>Paper No(s)/Mail Date _____ | 6) <input type="checkbox"/> Other: _____  |

### DETAILED ACTION

1. This action is in response to Applicant's Arguments, filed on March 17, 2004 have been fully considered but are deemed moot in view of new ground of rejections below.

2. Claims 1, 14, 24 and 30 are amended. And claims 1-35 are pending.

### ***Claim Rejections - 35 USC § 103***

3. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

4. Claims 1-35 are rejected under 35 U.S.C. 103(a) as being unpatentable over Mullaly et al (U.S. Patent No. 6,553,341, hereinafter, "Mullaly") in view of Diehl et al (International Publication No. WO 92/17838, PCT/EP/91/01642, hereinafter, "Diehl").

With respect to claims 1, 14, 20, 24 and 30, Mullaly discloses the method, system and computer program product of transforming and canonicalizing semantically structured data (col.10, lines 33-49, col. 9, lines 21-46, col.10, lines 33-67 to col. 11,

lines 1-43), obtaining data (e-mail messages) from a network of computers, see (FIG. 1, col. 3, lines 52-65); applying text patterns to the obtaining data and placing the data in a first data file (504, FIG. 5), see (FIG. 5, col. 7, lines 27-60, messages are filtered (applying text pattern) by message filter); providing second data file containing the obtained data in a uniform format (announcement text), see (814, FIG. 8, col. 8, lines 49-67 to col. 9, lines 1-21); and generating grammatical sentences from the data in the second data file, see (812, FIG. 8, col. 8, lines 49-67 to col. 9, lines 1-21). Mullaly does not explicitly disclose, generating grammatical sentences from the data *according to specific user interface* as claimed. However, Diehl discloses, "The information contains general and specific information and this information is transformed into control information for the different user interface types types". "Supporting multiple different user interface types at the same time in a consistent way", see (abstract, description page 1-5). And Diehl discloses, each Presentation Front-end PFE2.... Provides user specific interface data representation, such as Speech Output, etc, (fig. 2, description page 7, page 11-19). This teaches that data is transformed to specific user interface (for instance, fig. 2, description page 7, specific voice user interface) displayed to specific user interface. Therefore, it would have been obvious to a person having ordinary skill in the art at the time of the invention was made to include generating grammatical sentences from the data *according to specific user interface* in the system of the Mullaly. Because the data transformed for different specific user interface, for instance, text input data into voice output representation, provides convenient interaction between user and computer system.

With respect to claims 2 and 18, Mullaly discloses that the second data file comprises applying a lexical entry transformation table to transform the obtained data into a common semantic form, see (col. 7, lines 15-60, col. 2, lines 35-50).

With respect to claims 3-4, Mullaly discloses that the second data file comprises applying attribute phrase grammars and applying term arrangement rules to the obtained data, see (col. 7, lines 15-60, col. 8, lines 49-67 to col. 9, lines 1-22).

With respect to claim 5, Mullaly discloses the second data file comprises applying a second lexical entry transformation table to transform data to normalized and tagged format, see (col. 7, lines 15-60).

With respect to claims 6 and 15, Mullaly discloses storing the second data file in a uniform format, see (fig. 8, fig. 9, col. 7, lines 15-60, col. 8, lines 49-67 to col. 9, lines 1-22).

With respect to claim 7, Mullaly discloses, the uniform format comprises a normalized and tagged format, see (fig. 9, col. 7, lines 15-60, col. 8, lines 49-67 to col. 9, lines 1-22).

With respect to claim 8, Mullaly discloses, generating user interface specific grammatical sentences comprises applying attribute phrase grammars to the data in the second data file to create a parsed form of the data, see (col. 7, lines 15-60, col. 8, lines 49-67 to col. 9, lines 1-22).

With respect to claim 9, Mullaly discloses, generating user interface grammatical sentences comprises applying lexical entry transformation tables to the parsed form of the data to create a term substituted form of the data, see (col. 7, lines 15-60, col. 8, lines 49-67 to col. 9, lines 1-22).

With respect to claim 10, Mullaly discloses, generating user interface specific grammatical sentences comprises applying term rearrangement rules to the term substituted from the data according to a specific interface to create a rearranged form of the data, see (fig. 8, col. 7, lines 15-60, col. 8, lines 49-67 to col. 9, lines 1-22).

With respect to claims 11 and 19, Mullaly discloses, generating user interface specific grammatical sentences comprises applying phrase generation grammar to the rearranged form of the data to create interface specific sentences, see (fig. 8, col. 7, lines 15-60, col. 8, lines 49-67 to col. 9, lines 1-22).

With respect to claims 12-13, 16-17, 21, 25-26 and 31-32, Mullaly discloses, voice output to a telephone, corresponding to the interface specific sentence, see (fig. 8, fig. 11, col.10, lines 33-49, col. 9, lines 21-46, col.10, lines 33-67 to col. 11, lines 1-43).

With respect to claim 22, Mullaly discloses, storing the first data file and the generated phrase in a database, see (col. 1, lines 43-67).

With respect to claim 23, Mullaly discloses, that obtaining data from a network of computers comprises obtaining data from Internet, see (col. 1, lines 43-67).

With respect to claims 27 and 28, WAP (wireless application protocol), that is an open international standard for applications that use wireless communication, e.g. Internet access from a mobile phone.

With respect to claim 29, Mullaly discloses, the means for organizing a plurality of data files containing obtained data from the obtaining means, see (FIG. 1, col. 3, lines 52-65).

Claims 33-35 (computer program product claims) are rejected on grounds corresponding to the reasons given above claimed in claims 1-11.

### ***Conclusion***

5. Applicant's amendment necessitated the new ground(s) of rejection presented in this Office action. Accordingly, **THIS ACTION IS MADE FINAL**. See MPEP

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§ 706.07(a). Applicant is reminded of the extension of time policy as set forth in 37 CFR 1.136(a).

A shortened statutory period for reply to this final action is set to expire THREE MONTHS from the mailing date of this action. In the event a first reply is filed within TWO MONTHS of the mailing date of this final action and the advisory action is not mailed until after the end of the THREE-MONTH shortened statutory period, then the shortened statutory period will expire on the date the advisory action is mailed, and any extension fee pursuant to 37 CFR 1.136(a) will be calculated from the mailing date of the advisory action. In no event, however, will the statutory period for reply expire later than SIX MONTHS from the date of this final action.




***Contact Information***

6. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Isaac M Woo whose telephone number is (703) 305-0081. The examiner can normally be reached on 8:00-5:00.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, John E Breene can be reached on (703) 305-9790. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

IMW  
May 17, 2004

  
SHAHID ALAM  
PRIMARY EXAMINER